



# SPYWOLF

## Security Audit Report



Completed on  
**November 5, 2023**

@SPYWOLFNETWORK



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SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **Universe X** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”



# Universe X



## PROJECT DESCRIPTION

### **According to their whitepaper:**

“UNIVERSE X is a distinctive gaming platform comprising a limited collection of NFTs that are utilized within its own Decentralized Applications (DApps).

Here, everyone is the author of their own strategy. It can range from earning through staking to a diversified profit system in the games. UNIX are the unique currency that grows by shrinking. Each token operation incurs a 2% commission, which is allocated to burning.”

**Release Date:** Presale starts in November, 2023

**Category:** Metaverse



# CONTRACT 1 INFO

Token Name	Symbol
Universe X	UNIX
Contract Address	
0x8a09767A31Db42c3EF6cBd352283Dbb558e4Ed0B	
Network	Language
Ethereum	Solidity
Deployment Date	Contract Type
Oct 25, 2023	Token with taxes
Total Supply	Status
100,000,000	Not launched

## TAXES



\*Dynamic taxes based on liquidity pair ETH holdings



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

Transfer Count	4
Uniq Senders	2
Uniq Receivers	4
Total Amount	192969003.02831092 UNIX
Median Transfer Amount	90000001.41239257 UNIX
Average Transfer Amount	48242250.75707773 UNIX
First transfer date	2023-10-25
Last transfer date	2023-11-02
Days token transferred	2

# SMART CONTRACT STATS

Calls Count	6
External calls	2
Internal calls	4
Transactions count	3
Uniq Callers	2
Days contract called	1
Last transaction time	2023-11-02 21:20:23 UTC
Created	2023-11-02 19:46:47 UTC
Create TX	0x49a25b28e982a893ec182ffbf8b00e8c9e3178307981e816fdeda843208d7cbc
Creator	0xc46b48737d2ca939f2a0b3fcc298912312716cd4



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed





# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



# FOUND THREATS

## ⚠ High Risk

### Infinite for loop in `_distributeFee()` method.

This will cause the contract to fail on every sell transaction once it's token balances are above 0 and making selling impossible for users that are not excluded from fees.

```
function _transfer(address sender_, address recipient_, uint256 amount_) internal virtual override {
    if (_isExcludedFromFees[sender_] || _isExcludedFromFees[recipient_]) {
        super._transfer(sender_, recipient_, amount_);
    } else {
        uint256 wethLiquidity = IERC20(_weth9).balanceOf(address(_pair));
        uint256 fee_level=0;
        if (wethLiquidity < 20 ether) {
            fee_level=60;
        }else{
            fee_level=40;
        }

        uint fee = amount_ * fee_level / 1000 ;
        uint tokens = amount_ - fee;

        super._transfer(sender_, address(this), fee);

        if (sender_ != _pair) {
            _distributeFee();
        }
        super._transfer(sender_, recipient_, tokens);
    }
    if (recipient_ != _pair){
        _lastBuyBlock[recipient_]=block.number;
    }
}

function _distributeFee() internal nonReentrant {
    uint amount = balanceOf(address(this));
    if (amount >= 0) {
        address[] memory path = new address[](2);
        path[0] = address(this);
        path[1] = _weth9;
        _approve(address(this), address(_router), amount);
        _router.swapExactTokensForETHSupportingFeeOnTransferTokens(
            amount, 0, path, address(this), block.timestamp);
    }
    uint eth_amount=address(this).balance;
    if (eth_amount > 0) {
        for(uint256 i;i<2;){
            uint fee=eth_amount / 2;
            (bool success, ) = payable(_feeOwners[i]).call{value: fee}("");
            if (!success) {
                revert("Error send ETH");
            }
        }
    }
}
```

- Recommendation:
  - Loop's local variable should be incremented on each iteration. (i++)





## Informational

### **Contract uses dynamic fees up to 6%.**

When liquidity pair's eth holdings are less than 20ETH, buy/sell fees are 6%, when eth holdings are above 20ETH buy/sell fees are 4%.

```
function _transfer(address sender_, address recipient_, uint256 amount_) internal virtual override {
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        super._transfer(sender_, recipient_, amount_);
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        uint256 wethLiquidity = IERC20(_weth9).balanceOf(address(_pair));
        uint256 fee_level=0;
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        }else{
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        }

        uint fee = amount_ * fee_level / 1000 ;
        uint tokens = amount_ - fee;

        super._transfer(sender_, address(this), fee);

        if (sender_ != _pair) {
            _distributeFee();
        }
        super._transfer(sender_, recipient_, tokens);
    }
    if (recipient_ != _pair){
        _lastBuyBlock[recipient_]=block.number;
    }
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

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1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## Universe X

### GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set a transaction limit

# CONTRACT 2 INFO

Token Name  
UniverseXPresale

Symbol  
N/A

Contract Address  
0xF05A215C298F9843e3fd210cA8aAD885E3490927

Network  
Ethereum

Language  
Solidity

Deployment Date  
Oct 25, 2023

Contract Type  
Presale

Total Supply  
3,000,000

Status  
Launched

## TAXES

Buy Tax  
**none**

Sell Tax  
**none**



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### Blockchain security tools used:

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- Solidity Compiler
- Hardhat



# FOUND THREATS

## High Risk

No high risk-level threats found in this contract.

## Medium Risk

No medium risk-level threats found in this contract.

## Low Risk

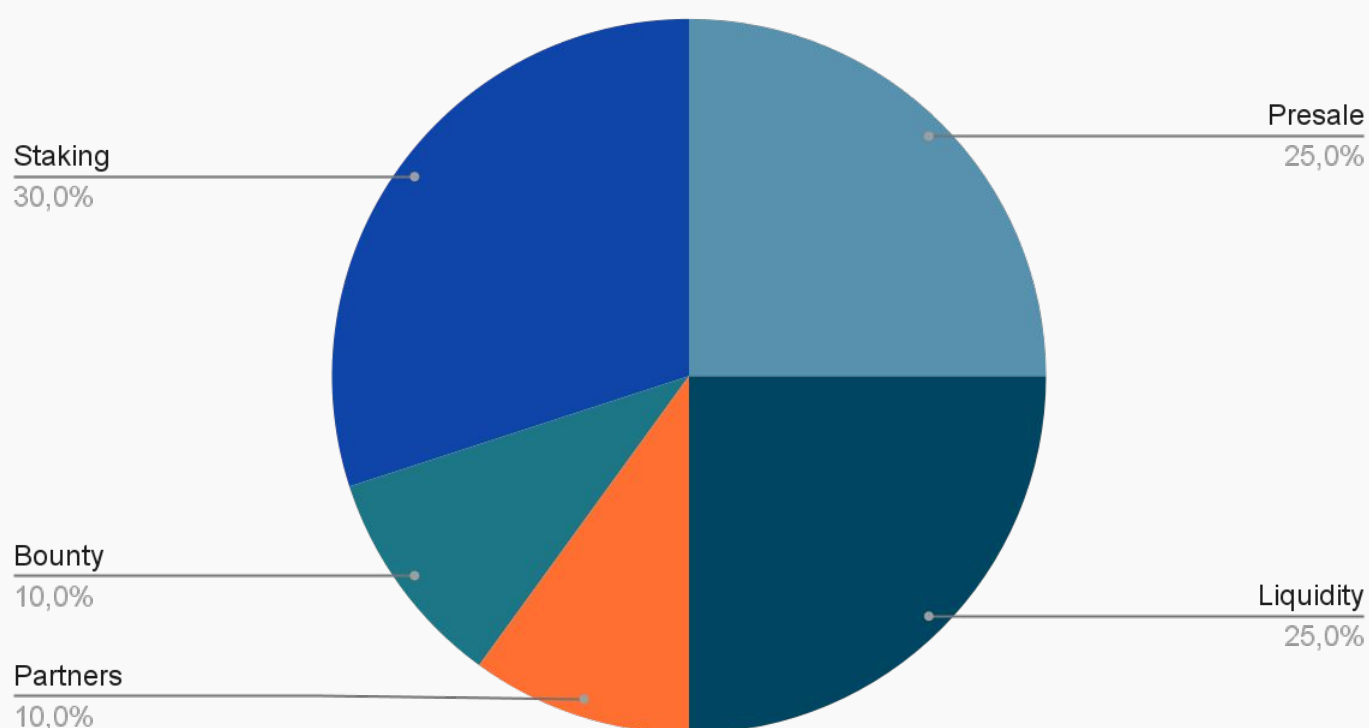
No low risk-level threats found in this contract.



The following tokenomics are based on the project's whitepaper and/or website:

- 25% - Presale
- 25% - Liquidity
- 10% - Partners
- 10% - Bounty
- 30% - Staking

Tokens distribution



TOKENOMICS



# THE TEAM

⚠ The team is  
anonymous

## KYC INFORMATION

### No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.







# WEBSITE

**Website URL**  
<https://universex.network/>

**Domain Registry**  
2024-07-15

**Domain Expiration**  
2024-07-15

**Technical SEO Test**  
Not Available

**Security Test**  
Not Available

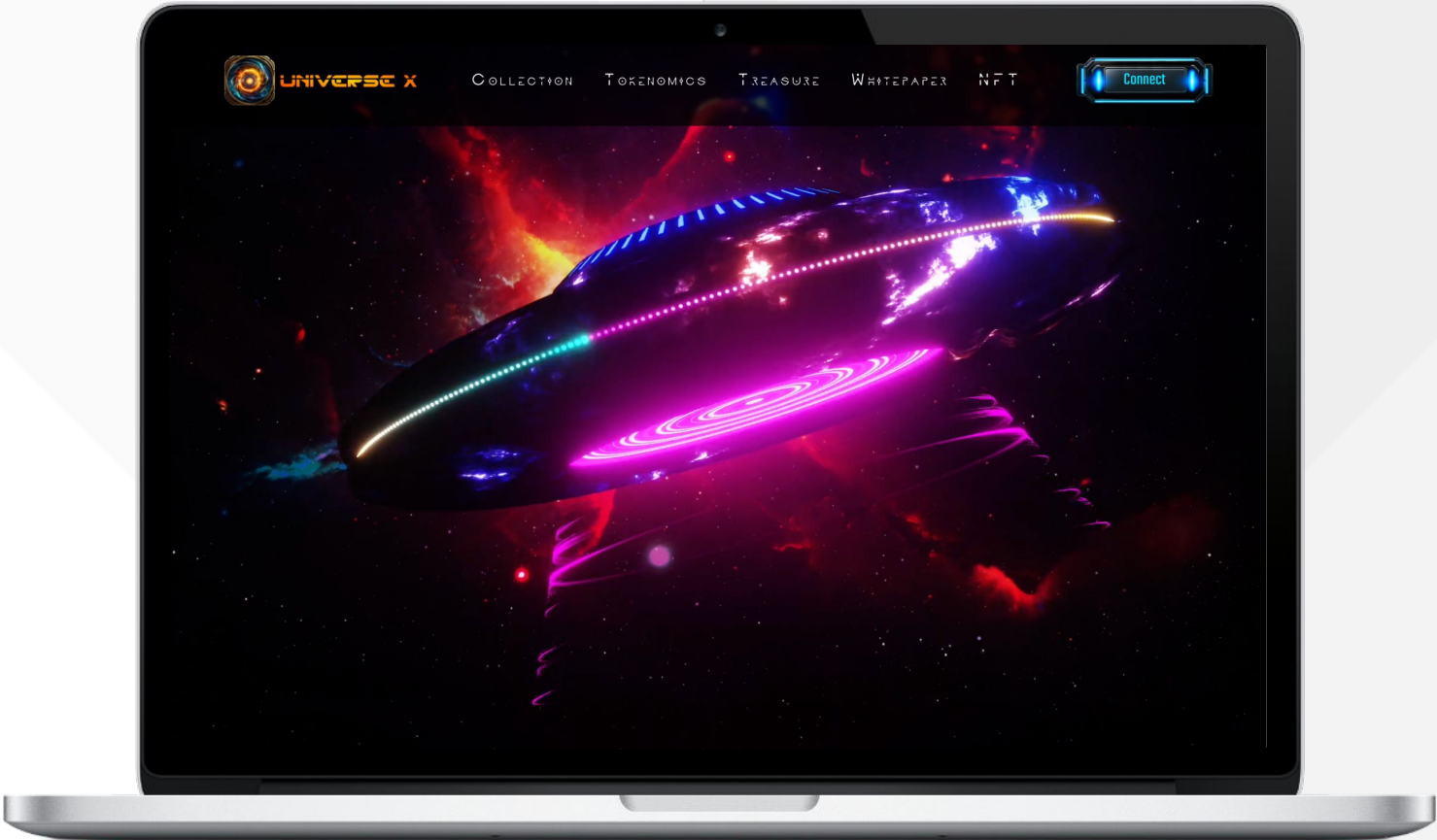
**Design**  
Very nice overall design with appropriate color scheme and graphics.

**Content**  
The information helps new investors understand what the product does right away.  
No grammar mistakes found.

**Whitepaper**  
Yes, explanatory.

**Roadmap**  
No

**Mobile-friendly?**  
Yes



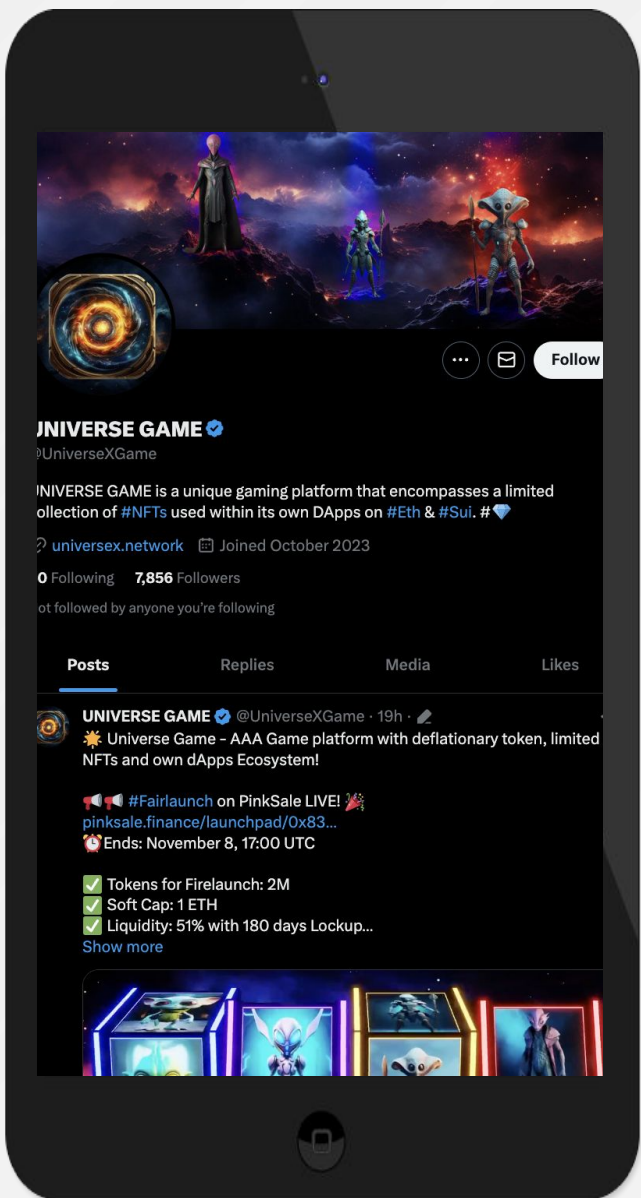
**universex.network**



# SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS  
Project’s social media pages are active



Twitter

@UniverseXGame

- 7 820 followers
- Posts frequently
- Active



Discord

- Not available



Telegram

@UniverseXGame

- 8 171 members
- Channel, posts frequently



Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

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[@SPYWOLFNETWORK](https://t.me/SPYWOLFNETWORK)



# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.